

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A fuel supply device (1) comprising:

a fuel pump (6);

a common rail (2) which accumulates a high-pressure fuel which is supplied from the fuel pump (6) under pressure; and

a fuel injection valve (3) which is capable of supplying the high-pressure fuel accumulated in the inside of the common rail (2) to an internal combustion engine,

the fuel pump (6) including a plurality of high-pressure generating portions (61, 62, 66, 67) whose high-pressure-fuel injection timings are shifted from each other, wherein

the fuel supply device (1) includes a plurality of high-pressure pipes (11 to 14) which are provided corresponding to the plurality of high-pressure generating portions (61, 62, 66, 67) and connect fuel outlet ports (6P1 to 6P4) of the corresponding high-pressure generating portions (61, 62, 66, 67) with corresponding inlet ports (2P1 to 2P4) ~~to~~ of the common rail (2), and a connection pipe (30 to 33) which connects at least two or more high-pressure pipes (11, 12; 12, 13; 13, 14) out of the plurality of high-pressure pipes (11 to 14) with each other in the vicinity of the corresponding fuel outlet ports (6P1 to 6P4);

characterized in that:

each of the high-pressure pipes (11 to 14) is provided between one inlet port (2P1 to 2P4) and only one of the outlet ports (6P1 to 6P4), wherein each of the high-pressure pipes (11 to 14) is directly connected to only one high-pressure generating portion (61, 62, 66, 67) via the corresponding fuel outlet port (6P1 to 6P4) and an outlet valve (V3, V4) arranged in the fuel pump (6); and

the connection pipe (30 to 33) is arranged to directly connect the at least two or more high-pressure pipes (11 to 14) with each other between the both ends of each of the at least two or more high-pressure pipes (11 to 14).

2. (Canceled).

3. (Canceled).